## Subject: Re: Using contour procedure to extract specific regions Posted by S. Murray on Wed, 28 Jul 2010 11:52:22 GMT

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On Jul 28, 12:41 pm, "S. Murray" <murray_sop...@hotmail.com> wrote:
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- > I have a data array of an inclination angle, ranging from 0 to
- > 180degrees, which when I plot an image of it shows about 3 specific
- > regions that are greater than 130degrees. They basically look like
- > 'blobs' on the image map. I need to specifically analyse one of the
- > '130degree contour' blobs, not every single region picked out by
- > simply contouring at level = 130. I will be analysing this specific
- > location, taking averages, min, max, etc, in order to track it's
- > changes over several different scans (I'm just looking at the first
- > one for the moment). Also will need to plot images of it contoured on
- > it's own on the map, rather than having everything else contoured as
- > well. I am becoming very confused about how to go about it!

> > First I thought I would try to look at it with all areas above

- > 130degrees, and if that worked I could move onto more specific
- locations:

>

>

>

>

- > thresh= data GE 130
- pmm,data\*(thresh)
- 0.00000 174.172 >
- > So, the result goes from 0 to 174, including the now '0' value area
- > and that would be useless if I want to average the specific regions.
- > So I abandoned this route.

Actaully, I just realised what I was doing wrong here (quite obvious now I see). If I just 'pmm,data > 130' that'll show me the values. But I am still unaware how to extract a region with the contouring below...

- > Then, I was reading this page:http://www.dfanning.com/map\_tips/contoshape.html
- , and from that gathered that my first 'step' should be:
- > contour, data,level=130,PATH INFO=info, PATH XY=xy, XSTYLE=1,
- YSTYLE=1,/PATH DATA COORDS
- > But, after reading the 'contour.pro' explanation on the IDL webpage, I
- > still dont understand exactly what is contained within path\_info etc
- > to know what to do next! How do I create image plots with these
- > outputs like the one on the webpage?
- > Basically, I need to figure out how do I use this information to
- > 'segment' my data, and thus can plot a new image with just this region
- > and also analyse it, but I'm stumped at this point and not sure which

- > direction to take. What would be my next step in this process? Any
- > help would be greatly appreciated, I've been staring at this for too
- > long now!